



DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

Norman H. Bangerter
Governor

Suzanne Dandoy, M.D., M.P.H.
Executive Director

Kenneth L. Alkema
Director

Bureau of Water Pollution Control
288 North 1460 West, P.O. Box 16690
Salt Lake City, Utah 84116-0690
(801) 538-6146

RECEIVED
SEP 8 1988

September 2, 1988

DIVISION
OIL, GAS & MINING

Mr. Robert K. Scott
Westar Mining, Inc.
Harry James Enterprises Inc.
P. O. Box 31045
Dallas, Texas 75231

Dear Mr. Scott:

The Bureau of Water Pollution Control was notified by the Division of Oil, Gas, & Mining that your company was applying for a permit to conduct mining operations in the State of Utah.

We are requesting that your company furnish us plans regarding waste rock, tailings, water discharge, process pond design, storm water disposal, heap leach pads, and geological data, etc., so that we can determine if you will need discharge or construction permits.

Please contact us if you wish further information in the matter.

Sincerely,

Charles G. Dietz, P.E.
Bureau of Water Pollution Control

MGC/dgm

CC: Wayne Hedberg, Division of Oil, Gas & Mining
Lowell Braxton, Division of Oil, Gas & Mining

3998-15

0001



State of Utah

DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

Norman H. Bangerter
Governor
Suzanne Dandoy, M.D., M.P.H.
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Salt Lake City, Utah 84116-0690
(801) 538-6146

RECEIVED
AUG 23 1988

DIVISION OF
OIL, GAS & MINING

August 18, 1988

Mr. Robert K. Scott
Vice President
Westar Mining, Inc.
6821 Yorkwood Circle
Dallas, Texas 75230

Dear Mr. Scott:

The Bureau of Water Pollution Control was notified by the Division of Oil, Gas, & Mining that your company was applying for a permit to conduct mining operations in the State of Utah.

We are requesting that your company furnish us plans regarding waste rock, tailings, water discharge, process pond design, storm water disposal, heap leach pads, and geological data, etc., so that we can determine if you will need discharge or construction permits.

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Sincerely,

Charles G. Dietz, P.E.
Bureau of Water Pollution Control

MGC/dgm/ag

CC: Wayne Hedberg, Division of Oil, Gas & Mining
Lowell Braxton, Division of Oil, Gas & Mining

3998-15



Norman H. Bangarter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

July 29, 1988

Wayne
(BLM claim # 4-B)
Harry James Enterprises, Inc.
P.O. Box 31045
Dallas, Texas 75231

Mr. Robert K. Scott
Vice President
WESTAR Mining, Inc.
6821 Yorkwood Circle
Dallas, Texas 75230

Dear Mr. Scott:

Re: Permitting Requirements, Notice of Intention to Commence
Closed-System Leaching Operations, Bio-D-Leachant tm, (Sodium
Bromide), Washington County, Utah

The Division of Oil, Gas and Mining has received your letter dated June 29, 1988 concerning your proposal to commence leaching operations on claims located in the Beaver Dam Wash area near St. George, Utah. Your letter enclosed a manufacturer's specification sheet describing the physical properties of the Bio-D-Leachant tm that you intend to use on site.

Thank you for notifying us of your intentions. You requested notification as to whether or not you are in compliance with our department. We must assume that you have access to, or will be developing, a source of ore to process with the proposed leaching system. Your letter failed to indicate whether you were developing a mining operation or just preparing to build a milling and ore processing facility.

This Division regulates the development of all mineral resources within the state. An operator is required to file a notice of intention (NOI) with our Division prior to conducting exploration, small mining, or large mining operations in Utah. The NOI outlines the operator's mining and reclamation plans for the land to be disturbed by mining. If the proposed mining project is to disturb greater than five (5) surface acres, then a reclamation surety is also required. Small Mining Operations (SMO'S) and exploration operations which disturb less than five (5) surface acres at any time, do not have bonding requirements and will not require a formal approval from the Division prior to commencing operations. However, reclamation is still required of the operator upon termination of the mining operation.

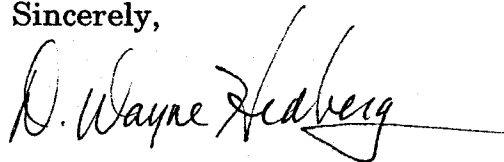
(9-1-88)
Called
Scott Spomer
BLM (Dixie Res. Area)
got new address
and company
name.
No activity or
permits filed
yet w/BLM

Page 2
Mr. Robert K. Scott
WESTAR Mining, Inc.
July 29, 1988

I have enclosed copies of our existing regulations. Also enclosed is a copy of our proposed regulations and application forms for the three mining categories mentioned above. Please complete the appropriate forms and return it to this office for review. If the processing facilities (e.g., mill site) will be located upon the actual mine site, then this facility must also be included in the NOI and will be permitted by this Division. If the millsite and associated processing facilities are not located on the minesite, then the State Division of Environmental Health will be involved in permitting the proposed facility. Other state agencies may become involved depending upon the scope of the project. If any federal lands or minerals are involved with the project, then the respective federal land-managing agencies (BLM and USFS) must also issue permit approvals for the project.

If I can be of any further assistance, please contact me at your convenience.

Sincerely,



D. Wayne Hedberg
Reclamation Hydrologist
Minerals Program

DWH/jb
Enclosures

cc: Charlie Dietz, BWPC
Frank L. Rowley, BLM, Dixie Resource Area
Lowell Braxton
Holland Shepherd

3/3-4

WESTAR MINING, INC.
6821 YORKWOOD CIRCLE
DALLAS, TEXAS 75230

June 29, 1988

RECEIVED
JUL 1 1988

Utah Department of Oil, Gas & Minerals
3555 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84101

DIVISION OF
OIL, GAS & MINING

Re: WESTAR MINING, INC. Mining Operation

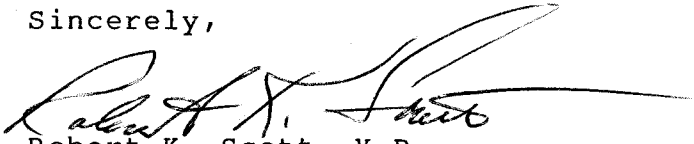
Gentlemen:

Westar Mining, Inc. is preparing the ground for a startup closed-system leach mine operation on their claim located on the Beaver Dam Wash near St. George, Utah in Washington, County. The leaching agent will be Bio-D-Leachant tm, (Sodium Bromide).

WESTAR will use a completely closed circuit system that will not release any of the leachant with the tailings. The tailings will be thoroughly rinsed three to five times with the leaching solution being recirculated constantly and used again and again on fresh ore batches introduced to the leaching tank. Periodic additions of small amounts of the leachant solution will obviously be needed to maintain the proper chemistry.

The attached manufacturer's specification sheet describes the physical properties of the Bio-D-Leachant tm that we intend to use. Please correspond with us at the above address as soon as possible as to your review of this notice so we can be sure we are in compliance with your Department.

Sincerely,


Robert K. Scott, V.P.
WESTAR Mining, Inc.

RKS/bad

BRC**BAHAMIAN REFINING CORPORATION**

CUSTOM REFINERS, COMPLETE ANALYSIS & FLOWSHEET DESIGN

9222 N. 14TH AVE., PHOENIX, ARIZ. 85021
TELEPHONE (602) 279-9702**BIO-D-Leachent™****FOR MINERAL PROCESSING APPLICATIONS****PHYSICAL PROPERTIES****Typical Analysis:**Active Bromine Min. weights % 54.5
Melting point 187-191 degrees C
Molecular weight 285.96**Stability:**Indefinitely stable when stored under dry conditions
Weight Loss, 48 hours at 75 degrees C, 0.14%
Decomposes with fuming at 215 degrees C**Solubility at 25 degrees C (w/w)**

Water	0.32%
Benzene	2.20%
Hexane	0.03%
Glacial acetic acid	4.5%
Carbon tetrachloride	0.11%
Methylene chloride	6.8%

BIO-D-Leachent is a free flowing white powder.

Application Information:

Quantitative Usage	-----	1% per ton of solution
pH Start up	-----	3 to 4 - or - 9 to 10
pH Running Constant	-----	6.5 to 7.5
pH Control	-----	HCL - or - NaOH
Leach Time	-----	.75 hour to 45 days
Temp. F	-----	Ambient to 140 degrees F *
Agitation	-----	80-120 RPM
Grind Size	-----	80 Mesh***
Extraction	-----	SWS
		Electrowinning, Carbon, Resin
		Pressure Leach
		Evaporation
		Heap Leach**

Works well on all carbonaceous, sulphide and refractory ores.

*Leach time decreases with increase in Temp.

**Heap leach - grind size should not be smaller than .25".

***Finer grinding tends to produce higher yields.

The information supplied is presented in good faith and has been derived from sources believed to be reliable. Since conditions of use are beyond our control, all risks are assumed by the user. No representation is expressed or implied, and nothing herein shall be construed as permission or recommendation to practice a patented invention without a license.

TOXICOLOGICAL INFORMATION

BIO-D-Leachent™ is a severe eye irritant and prolonged contact with skin may cause reddening. If the skin is wet or damp, severe burns may result. Contact with dilute solutions (0.1 percent or less) is non-irritating to the eyes or skin.

HANDLING PRECAUTIONS

Provide adequate ventilation. Avoid breathing dust. Do not get in eyes, or skin or clothing. Keep container closed and away from oxidizable material. Wash thoroughly after using. Wash contaminated clothing before reuse. Discard contaminated shoes. Wear rubber or plastic gloves and chemical safety goggles. Containers should be washed thoroughly with large quantities of water before disposal in safe place; containers should not be reused.

FIRST AID RECOMMENDATIONS:

<u>Inhalation:</u>	Remove victim to fresh air, apply artificial respiration if necessary. Obtain medical assistance.
<u>Skin Contact:</u>	Flush with water, then wash with soap and water.
<u>Eye Contact:</u>	Flush with water 15 minutes, obtain medical assistance if symptoms persist.
<u>Ingestion:</u>	Induce vomiting unless victim is unconscious; obtain medical assistance immediately.

For further information contact: Fred Finell, Jr.
(602) 279-9702

For pricing information contact: Bahamian Refining Corporation
9222 North 14th Avenue
Phoenix, AZ 85021